Index

SOCIAL BIOLOGY

Volume 26, 1979

ABORTION: and genetic defects, 191, 192, 193: attitudes toward, 253; and sex preselection, 234
Academic achievement: and birth order and family size, 80–85
Adoption: selective placement procedures in, 1–6
Amniocentesis: and diagnosis of genetic disorders, 123–124; physicians' attitudes toward, 191, 192, 193; and sex preselection, 234
Androgens: levels of and women's occupational status, 179–187
Androstenedione: female levels of and occupational status, 179–187
Arctic: symposium on, 344

BEHAVIOR: sex differences in, 179–180
Bermant, Gordon: bk. rev., 257–259
Birth order: and family size and academic achievement, 80–85
Birth season: related to socioeconomic status, 275–288
Birth weight: of black, white, and interracial children, 7–14; of children of foreign-born black women, 198–210, 211–225; and gestation, 219–222
Blacks: infant development among, 8; birth weights among, 8, 12–13, 200–210, 211–225; attitudes of toward sex preselection, 239–241; attitudes of toward euthanasia, 247, 251, 252; and model for predicting pregnancy, 270, 271, 274; and seasonal births, 282–284; and family-size preference, 306–307
Bouchard, T.: bk. rev., 90

CHILDBEARING: expected costs and benefits of, 265–274;
Circumpolar health: symposium on, 344
Climate: and seasonality of births, 286
Community size: and family-size preferences, 307, 309–311
Conception: probability of in noncontracepting populations, 226–231
Congenital anomalies: and geographic latitude, 335-340
Consanguinity: in Spain, 1911–1943, 55–71
Contraception: choice of method of, 72–79; fertility in absence of, 314–328. *See also* Family planning.
Cravens, Hamilton: bk. rev., 347–348

DISEASES: determined by major genes, 94–101
Divorce: following birth of defective child, 290

EDUCATION: related to selective placement in adoption, 2–6; and fertility, 32–33, 44–45: and choice of contraceptive, 76; and prenatal health behavior, 204–205; and birth weight, 208, 215–216; and attitudes toward sex preselection, 240, 241; and attitudes toward euthanasia, 247, 250, 252; and family-size preferences, 307, 309–311
Ehrman, Lee: bk. rev., 347–348
Employed women: and childbearing decisions, 272; levels of androgens in, 179–187
Environmental protection: regulations for, 120–123
Epidemiology: and genetics, symposium on, 93–160
Ethics of Social Intervention, The: bk. rev., 257–259
Euthanasia: correlates of attitudes toward, 247–253

FAMILY PLANNING: governmental attitudes toward, 35–36. *See also* Contraception.
Family size: and birth order and academic achievement, 80–85; effect of sex preselection on, 245; predictors of, 302–313; Gallup surveys on preferences in, 303
Fecundability: estimates of in noncontracepting populations, 226–231; and null segment analysis, 316; decline of with age, 330–334
Fertility: and socioeconomic change, 30–50; and pregnancy wastage, 161–178; effect of sex preselection on, 245; patterns of influence on, 266–268; utility models of, 266–268, 271, 273–275; related to contraceptive programs, 314–328; and U.S. homicide rates, 341–343

GALTONIAN INHERITANCE: described, 129–130
Genes: and diseases, 94–101
Genetic counseling: components of, 118–119; physicians' attitudes toward and use of, 189–197; following genetic screening, 289–301
Genetic Diseases Act: provisions of, 123
Genetic screening: components of, 119–120; genetic counseling following, 289–301
Genetics: and epidemiology, symposium on, 93–160. *See also* Quantitative genetics.
Geography: and central nervous system anomalies, 335–340
Germinal mutations. *See* Human germinal mutations.

Index

SOCIAL BIOLOGY

Volume 26, 1979

ABORTION: and genetic defects, 191, 192, 193: attitudes toward, 253; and sex preselection, 234
Academic achievement: and birth order and family size, 80–85
Adoption: selective placement procedures in, 1–6
Amniocentesis: and diagnosis of genetic disorders, 123–124; physicians' attitudes toward, 191, 192, 193; and sex preselection, 234
Androgens: levels of and women's occupational status, 179–187
Androstenedione: female levels of and occupational status, 179–187
Arctic: symposium on, 344

BEHAVIOR: sex differences in, 179–180
Bermant, Gordon: bk. rev., 257–259
Birth order: and family size and academic achievement, 80–85
Birth season: related to socioeconomic status, 275–288
Birth weight: of black, white, and interracial children, 7–14; of children of foreign-born black women, 198–210, 211–225; and gestation, 219–222
Blacks: infant development among, 8; birth weights among, 8, 12–13, 200–210, 211–225; attitudes of toward sex preselection, 239–241; attitudes of toward euthanasia, 247, 251, 252; and model for predicting pregnancy, 270, 271, 274; and seasonal births, 282–284; and family-size preference, 306–307
Bouchard, T.: bk. rev., 90

CHILDBEARING: expected costs and benefits of, 265–274;
Circumpolar health: symposium on, 344
Climate: and seasonality of births, 286
Community size: and family-size preferences, 307, 309–311
Conception: probability of in noncontracepting populations, 226–231
Congenital anomalies: and geographic latitude, 335-340
Consanguinity: in Spain, 1911–1943, 55–71
Contraception: choice of method of, 72–79; fertility in absence of, 314–328. *See also* Family planning.
Cravens, Hamilton: bk. rev., 347–348

DISEASES: determined by major genes, 94–101
Divorce: following birth of defective child, 290

EDUCATION: related to selective placement in adoption, 2–6; and fertility, 32–33, 44–45: and choice of contraceptive, 76; and prenatal health behavior, 204–205; and birth weight, 208, 215–216; and attitudes toward sex preselection, 240, 241; and attitudes toward euthanasia, 247, 250, 252; and family-size preferences, 307, 309–311
Ehrman, Lee: bk. rev., 347–348
Employed women: and childbearing decisions, 272; levels of androgens in, 179–187
Environmental protection: regulations for, 120–123
Epidemiology: and genetics, symposium on, 93–160
Ethics of Social Intervention, The: bk. rev., 257–259
Euthanasia: correlates of attitudes toward, 247–253

FAMILY PLANNING: governmental attitudes toward, 35–36. *See also* Contraception.
Family size: and birth order and academic achievement, 80–85; effect of sex preselection on, 245; predictors of, 302–313; Gallup surveys on preferences in, 303
Fecundability: estimates of in noncontracepting populations, 226–231; and null segment analysis, 316; decline of with age, 330–334
Fertility: and socioeconomic change, 30–50; and pregnancy wastage, 161–178; effect of sex preselection on, 245; patterns of influence on, 266–268; utility models of, 266–268, 271, 273–275; related to contraceptive programs, 314–328; and U.S. homicide rates, 341–343

GALTONIAN INHERITANCE: described, 129–130
Genes: and diseases, 94–101
Genetic counseling: components of, 118–119; physicians' attitudes toward and use of, 189–197; following genetic screening, 289–301
Genetic Diseases Act: provisions of, 123
Genetic screening: components of, 119–120; genetic counseling following, 289–301
Genetics: and epidemiology, symposium on, 93–160. *See also* Quantitative genetics.
Geography: and central nervous system anomalies, 335–340
Germinal mutations. *See* Human germinal mutations.

Gestation: among foreign-born black women, 203, 216–222

HABER, SONJA B.: bk. rev., 345–346
Hemoglobin variants: and mutation monitoring, 110
Heritability: discussed, 138–140
Heterosis: in Jamaica, 8
Homicide: and U.S. fertility rates, 341–343
Human germinal mutations: monitoring of, 104–114
Human Migration: Patterns and Policies: bk. rev., 259–261
Hyde, Janet Shibley: bk. rev., 86–88

INCOME: and choice of contraceptive method, 78; and family-size preferences, 307, 309–311
Infant mortality: and socioeconomic status, 16–29; and fertility, 33–34, 161–164; and sex preselection, 245; and geographic latitude, 335–340
Intelligence. *See* IQ.
Interracial children: first-year physical development of, 7-15
Introduction to Mathematical Models in the Social and Life Sciences, An, 346–347
IQ: of interracial children, 9

Kinometrics: Determinants of Socioeconomic Success Within and Between Families, 88–89
Kirk, Dudley: bk. rev., 89–90

LALOR FOUNDATION: research fellowship program of, 344
Latin America: fecundability, conception probabilities and conception delay in, 226–231
Latitude: and central nervous system anomalies, 335–340
Long, Larry H.: bk. rev., 259–261

MCGILL, THOMAS E.: bk. rev., 345–346
Malnutrition: and seasonality of births, 286
Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death: bk. rev., 90
Maternal characteristics: related to birth weights, 211–225
Matthysse, Steven: bk. rev., 346–347
Medical interventions: public policy on, 117–125
Mendelian traits: described, 129–130
Mortality. *See* Infant mortality.
Morton, Newton: bk. rev., 88–89
Mosley, W. Henry: bk. rev., 89–90
Mutations: rates of in humans, 105–107; monitoring of, 107–109; evaluation of markers for, 109–114
Mutations, Biology, and Society: bk. rev., 255–257

NATIONAL GENETIC DISEASES ACT. *See* Genetic Diseases Act.
Nervous system: fatal congenital anomalies of and latitude, 335–340
Nutrition: and fertility, 34, 45–46; and birth weight, 206, 215–216
Nutrition and Human Reproduction: bk. rev., 89–90

OCCUPATION: and androgen levels in women, 179–187
Olnick, M.: bk. rev., 346–347

PHYSICAL CHARACTERISTICS: and adoption, 2–6
Physical development: of interracial children, 7–15
Physicians: and genetic counseling, 189–197
Pollitzer, William S.: bk. rev., 255–257
Pregnancy: outcome of and number and spacing of, 161–178; expected costs and benefits of childbearing as predictors of, 265–274. *See also* Childbearing, Fertility.
Public health: and Government interventions, 119–125

QUANTITATIVE GENETICS: a critique of, 126–141

RACE: and first-year physical development, 7–15; and birth weight, 8, 12–13, 198–210, 224–225; related to skin color and self-esteem, 51–54; and attitudes toward sex preselection, 239–241; and family-size preferences, 306–307
Religion: and choice of contraceptive method, 76–78; and physicians' attitudes toward genetic counseling, 191, 192; and attitudes toward sex preselection, 234, 239–243, 244; and attitudes toward euthanasia, 247–248, 251, 252, 253; and family-size preferences, 307, 309–311
Reynolds, Paul Davidson: bk. rev., 257–259
Roberts, George W.: bk. rev., 90–92

SCHIZOPHRENIA: epidemiology and genetics of, 142–151
Selective placement: in adoption, 1–6
Self-esteem: effect of skin color on, 51–54
Sex and Behavior: Status and Prospectus, 345–346
Sex differences: in behavior, 179–180
Sex preselection: technologies of, attitudes toward, and implications of, 232–246
Sex ratio: and mutations, 110: effect of sex preselection on, 244–245
Sex-related Cognitive Differences, 86–88
Sherman, Julia A.: bk. rev., 86–88
Smith, Claudette Y.: bk. rev., 90–92
Smoking: and birth weight, 207, 214
Socioeconomic status: and adoption procedures, 2–6; and infant mortality, 16–29; and birth weight, 198–199; and seasonal births, 275–288
Son preference: discussed, 235–236, 244–245
Spain: consanguinity in, 1911–1943, 55–71
Sterilization: variables in choice of, 77–78
Suicide: attitudes toward for the terminally ill, 249–253

TAUBMAN, PAUL: bk. rev., 88–89
Testosterone: levels of and women's occupational status, 179–187
Thalassemia: screening for and genetic counseling, 289–301

Trisomies: and mutations monitoring, 111–114
Triumph of Evolution, American Scientists and the Hereditary-Environment Controversy, 1900–1941, 347–348

UTILITY MODELS: for predicting fertility, 265–268, 270, 273–274

WALCHER, D. N. : bk. rev., 255–257
Wastage: effect of on number and spacing of pregnancies, 161–178
Women. *See* Employed women.
Women in Jamaica: Patterns of Reproduction and Family: bk. rev., 90–92
World Health Organization: bk. rev., 90

Contents

SOCIAL BIOLOGY

Volume 26, 1979

Volume 26 Spring 1979 No. 1

Selective Placement in Adoption, *Hsiu-zu Ho, Robert Plomin, and J. C. DeFries* 1

Physical Development of Interracial Children in the First Year, *Alfred F. Naylor and Lee Willerman* 7

Emerging Trends in the Relationship Between Infant Mortality and Socioeconomic Status, *Donald J. Adamchak* 16

Testing and Clarifying a Macro Model of Socioeconomic Change and Fertility, *H. C. Chang, Richard D. Warren, and Brian F. Pendleton* 30

Effect of Skin Color on Self-esteem, *Peter W. Post, D. C. Rao, and Sandra Scarr* 51

Consanguinity in Spain, 1911-1943: General Methodology, Behavior of Demographic Variables, and Regional Differences, *J. Pinto-Cisternas, G. Zei, and A. Moroni* 55

Contraceptive Choice of Limiters Ages 35–44 in the United States: An Examination of Selection of Method from Among a Number of Possible Choices, *R. Thomas Gillaspy* 72

Communications

Comment on Kunz and Peterson, "Family Size, Birth Order, and Academic Achievement," *Frank M. Howell and Linda C. Malone* 80

Response to Comment by Howell and Malone, *Phillip R. Kunz and Evan T. Peterson* 84

Book Reviews

Sex-related Cognitive Differences (Sherman), *Janet Shibley Hyde* 86

Kinometrics: Determinants of Socioeconomic Success Within and Between Families (Taubman), *Newton Morton* 88

Nutrition and Human Reproduction (Mosley), *Dudley Kirk* 89

Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Volume 1 (World Health Organization), *T. Bouchard* 90

Women in Jamaica: Patterns of Reproduction and Family (Roberts and Sinclair), *Claudette Y. Smith* 90

Volume 26 Summer 1979 No. 2

GENETICS IN EPIDEMIOLOGY: Symposium sponsored by the AAAS Sections on Biological and Medical Sciences, the Society for the Study of Social Biology, and the American Public Health Association at the Annual Meeting of the American Association for the Advancement of Science, Houston, Texas, January 4, 1979

Introduction: Genetics in Epidemiology, *Gordon Allen and Bernice H. Cohen, Organizing Chairmen* 93

Diseases Determined by Major Genes, *N. E. Morton* 94

Human Germinal Mutations: Monitoring for Environmental Effects, *Ernest B. Hook* 104

Genetics and Epidemiology: Medical Interventions and Public Policy, *Gilbert S. Omenn* 117

Quantitative Genetics: A Critique, *Edmond A. Murphy* 126

Epidemiology and Genetics of Schizophrenia, *B. S. Dohrenwend, B. P. Dohrenwend, I. I. Gottesman, and R. Neugebauer* 142

Invited Discussion: Genetics in Epidemiology
Helen Abbey 154
Richard H. Ward 156
Leon Gordis 158

Consequences of the Number and Spacing of Pregnancies on Outcome, and of Pregnancy Outcome on Spacing, *Basil G. Zimmer* 161

Volume 26 Fall 1979 No. 3

Androstenedione, Testosterone, and Free Testosterone Concentration in Women of Various Occupations, *Frances E. Purifoy and Lambert H. Koopmans* 179

Barriers to Acceptance of Genetic Counseling Among Primary Care Physicians, *Rose Weitz* 189

A Partial Explanation of Superior Birth Weights Among Foreign-born Women, *Barbara Mayleas Valanis and David Rush* 198

Relative Contributions of Maternal Social and Biological Characteristics to Birth Weight and Gestation Among Mothers of Different Childhood Socioeconomic Status, *Barbara Mayleas Valanis* 211

Probability of Conception, Conception Delay, and Estimates of Fecundability in Rural and Semiurban Areas of Certain Latin American Countries, *T. R. Balakrishnan* 226

Preselecting the Sex of Offspring: Technologies, Attitudes, and Implications, *Shirley Foster Hartley and Linda M. Pietraczyk* 232

Correlates of Attitudes Toward Euthanasia, *B. K. Singh* 247

Book Reviews

Mutations: Biology and Society (Walcher, Kretchmer, and Barnett), *William S. Pollitzer* 255

The Ethics of Social Intervention (Bermant, Kelman, and Warwick), *Paul Davidson Reynolds* 257

Human Migration: Patterns and Policies (McNeill and Adams), *Larry H. Long* 259

Volume 26 Winter 1979 No. 4

Wives' and Husbands' Expected Costs and Benefits of Childbearing as Predictors of Pregnancy, *Ellen Shapiro Fried and J. Richard Udry* 265

Social Status and Season of Birth: A Study of a Metropolitan Area in the Southeastern United States, *Charles W. Warren and Carl W. Tyler, Jr.* 275

Predicting Immediate Outcome of Genetic Counseling Following Genetic Screening, *Lawrence Fisher, Peter T. Rowley, and Mack Lipkin, Jr.* 289

Predictors of Family-size Preferences, 1945-1977: A Multivariate Analysis, *Judith Blake and Jorge H. Del Pinal* 302

Measuring Potential Fertility Through Null Segments: An Exploratory Analysis, *Robert G. Potter, Charles J. Mode, Michael G. Soyka, and Roger C. Avery* 314

The Causes of the Decline in Fecundability with Age, *William H. James* 330

Frequency of Fatal Congenital Anomalies of the Nervous System: Association with Geographic Latitude, *Louis Munan and Anthea Kelly* 335

Brief Reports

Homicide and Fertility Rates in the United States: A Comment, *Richard A. Easterlin and Morton Owen Schapiro* 341

Communications

Lalor Foundation Research Fellowship Program for 1981 344

Fifth International Symposium on Circumpolar Health, Copenhagen, August 9-13, 1981 344

Book Reviews

Sex and Behavior: Status and Prospectus (McGill, Dewsbury, and Sachs), *Sonja B. Haber* 345

An Introduction to Mathematical Models in the Social and Life Sciences (Olnick), *Steven Matthysse* 346

The Triumph of Evolution. American Scientists and the Heredity-Environment Controversy, 1900-1941 (Cravens), *Lee Ehrman* 347

Editorial Referees 349

Index to Volume 26 350